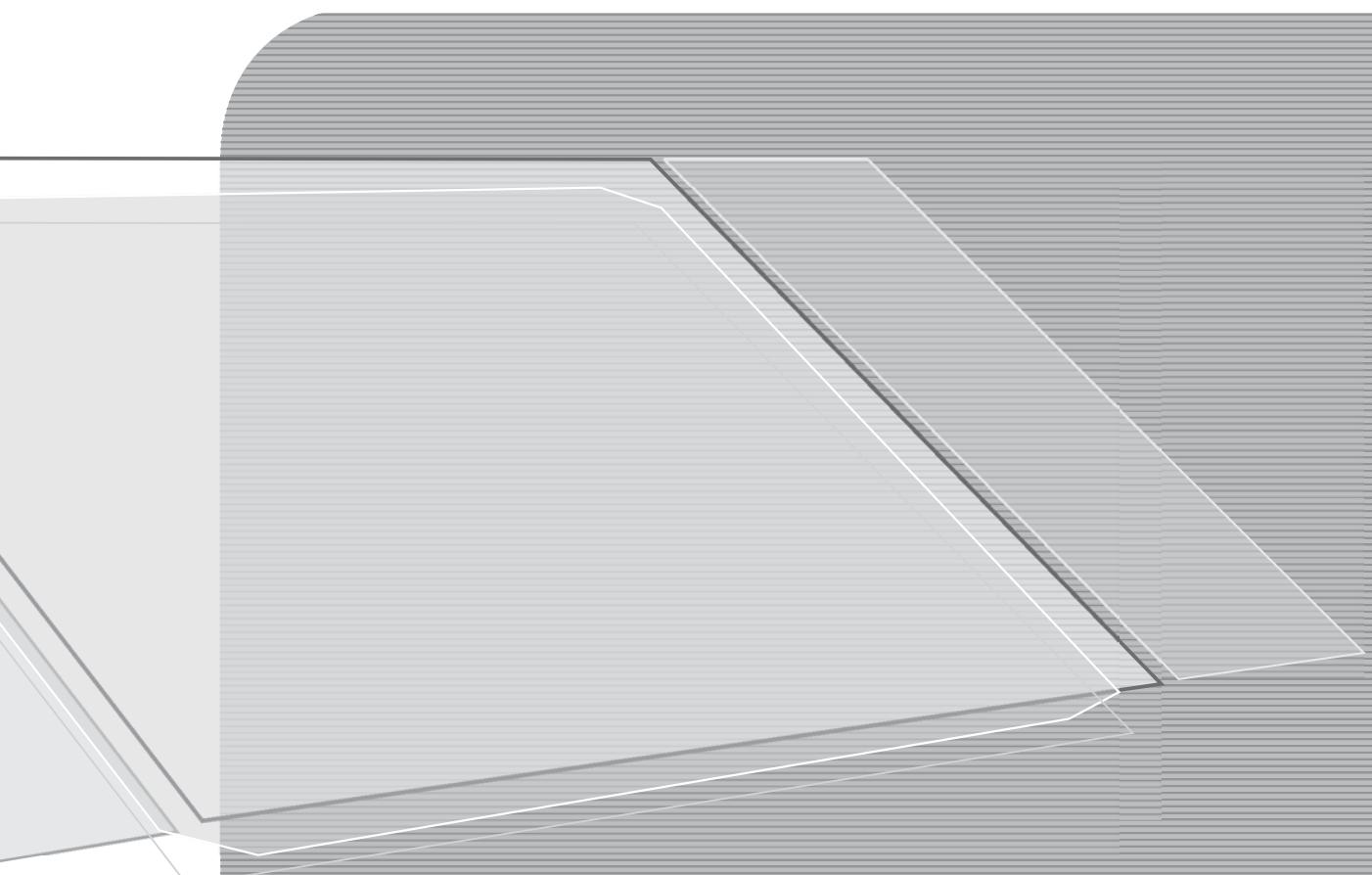


# Lenco

**DVT 1936**  
**DVT 2236**

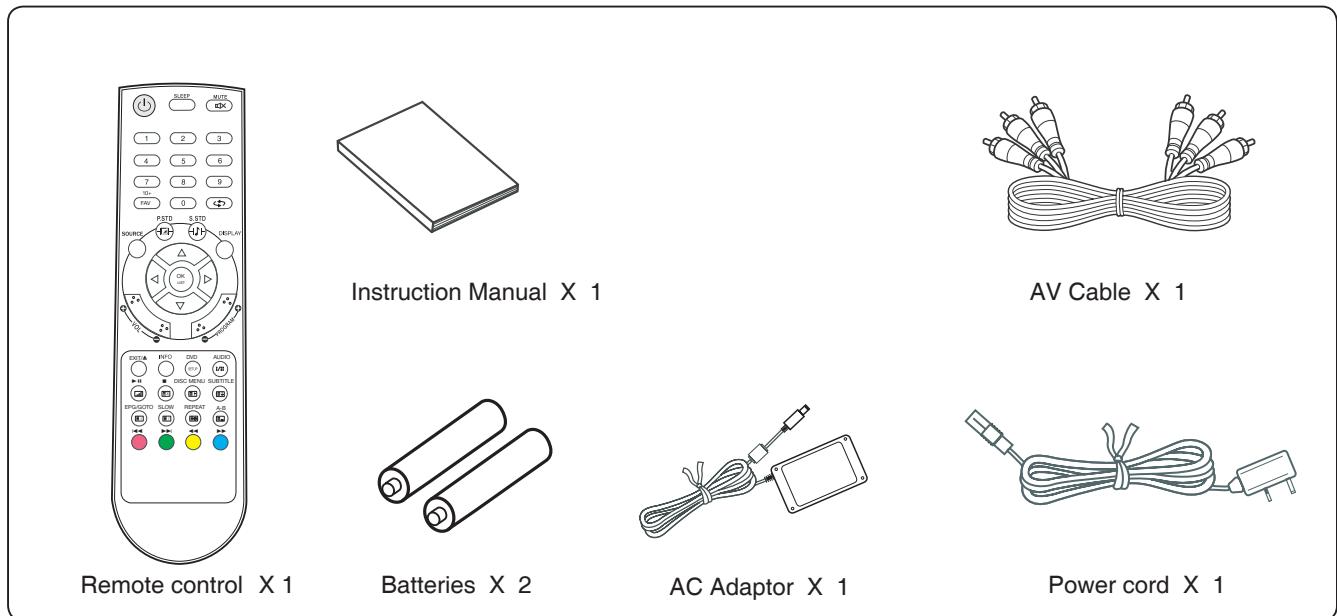
**USER MANUAL**



## **ENGLISH PART**

## Dear Customer:

Thank you for purchasing this LCD TV. When opening the box for the first time, please check whether all the accessories are present. Before connecting parts and power, please carefully read the user manual and always keep these instructions handy and close by your LCD TV.



Please check the accessories when open the package. If anything damaged or lacked, consult with your local dealer .

### Note:

This handling description is printed prior to product development.

When a part of the product specification must be changed to improve operability or other functions, priority is given to the product specification itself. In such instances, the instruction manual may not entirely match all the functions of the actual product.

Therefore, the actual product and packaging, as well as the name and illustration, may differ from the manual.

The screen shown as an example in this manual may be different from the actual screen display.

Your product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.

Please dispose of this equipment at your local community waste collection/recycling centre.

In the European Union there are separate collection systems for used electrical and electronic products.

Please help us to conserve the environment we live in!

---

# PRECAUTIONS

---



	This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.
	This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

## CAUTION

TO ENSURE CONTINUED SAFETY DO NOT REMOVE ANY COVERS OR ATTEMPT TO GAIN ACCESS TO THE INSIDE OF THE PRODUCT.

REFER ALL SERVICING TO QUALIFIED PERSONNEL.

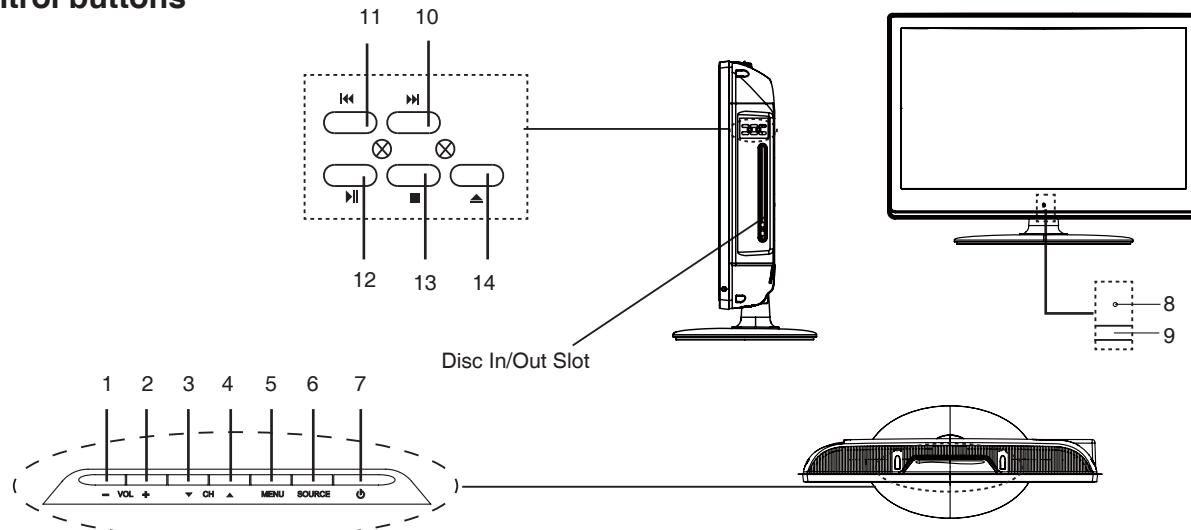
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

- Do not install the unit in an unstable space.
- Do not expose the unit to where there are extremes of temperature (below 5°C or exceeding 35°C) or moisture.
- Do not expose the unit to directly sunlight or heat nearby.
- Do not install this unit in a confined space, such as a bookcase or built-in cabinet.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc..
- Do not place this unit in any liquid.
- Do not insert any tiny object into the unit through the ventilation.
- The apparatus shall not be exposed to dropping or splashing. No object filled with liquids, such as vases, shall be placed on the apparatus.
- Never touch the TV screen or antenna / power cord during thunderstorms. Stop use it during thunderstorms.
- Do not step on the power cord, or twist the power cord wire.
- This product should not be adjusted or repaired by anyone except properly qualified personal when an abnormal condition or trouble happens. Please consult with the qualified service person.
- Always remove the batteries and store in a dry place if the remote control is not to be used for a long time.
- Avoid drop down the remote control and damage it.
- Always power this unit from an outlet with the same rating (voltage and frequency) as indicated on the rating label at the back of this unit.
- When not in use, disconnect the power cord from the outlet. Grasp the plug, not the cord, when disconnecting the unit.

# CONTROLS

## MAIN UNIT

### Control buttons



### General control buttons

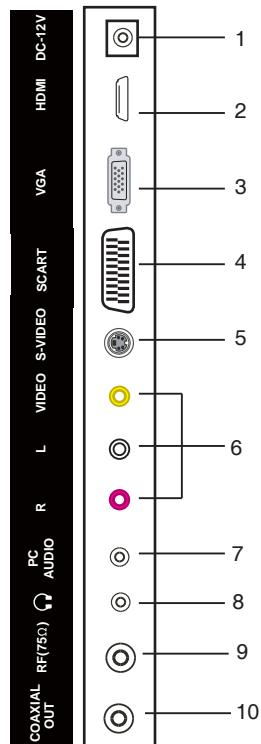
1. Volume decrease button (- VOL)
2. Volume increase button (+ VOL)
3. Input source select button (SOURCE)
4. Channel down button (▼ CH)
5. Channel up button (CH ▲)
6. Menu button (MENU)
7. Power/Standby button (□)
8. Remote sensor
9. Power indicator

### For DVD player

10. NEXT button (▶▶)
11. PREV button (◀◀)
12. Play / Pause button (▶ II)
13. STOP button (■)
14. Eject button (△)

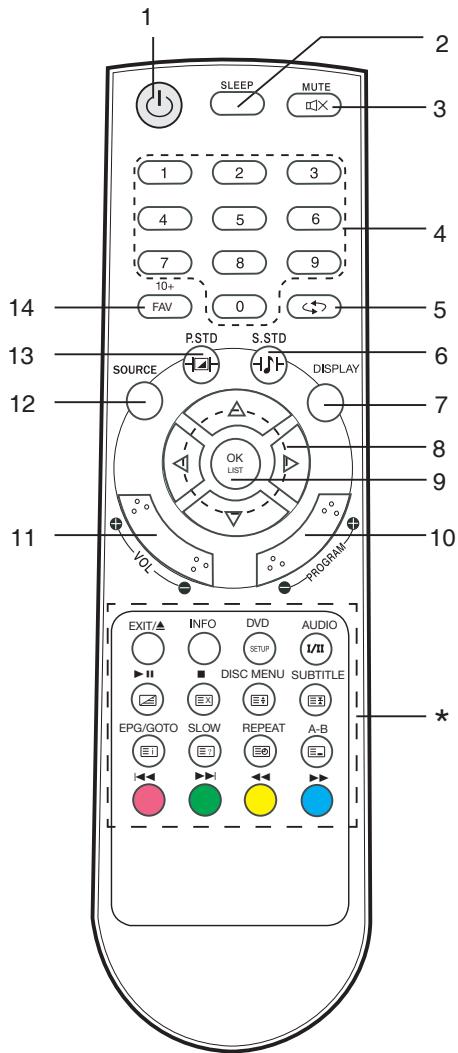
### Jacks (Rear Panel)

1. AC in plug (DC-12V)
2. High-Definition Multimedia interface input plug (HDMI)
3. VGA interface input plug (VGA)
4. SCART output plug (SCART)
5. S-video input jack (S-VIDEO)
6. Composite audio & video input jacks (R/L/VIDEO)
7. PC audio input jack (PC AUDIO)
8. Audio output jack (Ω)
9. Antenna/Cable TV network port (RF 75 Ω)
10. Coaxial output jack (COAXIAL OUT)



# REMOTE CONTROL

## Control buttons



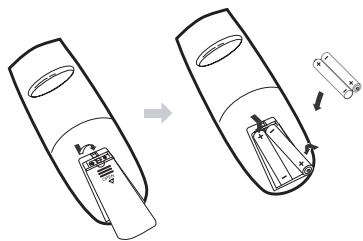
1. Power/Standby button (⊕)
2. Sleep function button (SLEEP)
3. Mute button (MUTE)
4. Number buttons (0, 1~9)
5. Channel review button (<→)
6. Sound mode button (S.STD)
7. Display mode button (DISPLAY)
8. Arrow buttons (▲, ▶, ▼, ▲)
9. Confirm/Menu button (OK LIST)
10. Channel select buttons (- PROGRAM +)
11. Volume control buttons (- VOLUME +)
12. Menu source select button (SOURCE)
13. Picture mode buttons (P.STD)
14. 10+ / FAV:  
Muti-digital (for DVD function)  
Favorite channel list button (For DTV function)

\*. Special buttons:

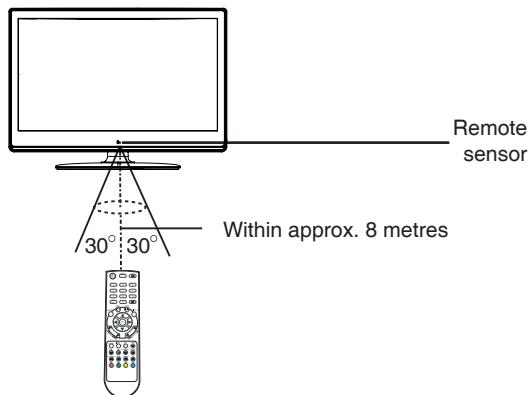
- ▲ / EXIT: DVD Eject / Menu exit button
- INFO: DVD/DVB information display button
- DVD SETUP: DVD setup menu button
- AUDIO I/II: Audio language / NICAM mode select button
- ▶■: DVD play/pause / Teletext mix button
- : DVD stop / Teletext cancel button
- DISC MENU: Disc menu display/ Teletext size/room button
- SUBTITLE: DVD subtitle / Teletext hold button
- EPG/GOTO: Electronic program guide/ Go to / Teletext index display button
- SLOW: DVD slow motion / Teletext reveal button
- REPEAT: DVD repeat playback button / Teletext subpage button
- A-B: DVD A-B repeat button / Teletext On/Off button
- ◀▲: Red / Preview button
- ▶■: Cyan / Next button
- ◀▲: Yellow / Forward button
- ▶■: Blue / Next button

## Inserting Batteries

Two "R03/AAA" batteries



## Control Range



Note:

- Bright Sunlight or lighting may cause erratic remote operation.
- Always remove batteries if the remote control is not to be used for a month or more. Batteries left in it may cause damage.
- The buttons on the remote control perform similar function to similarly marked buttons on the main unit.

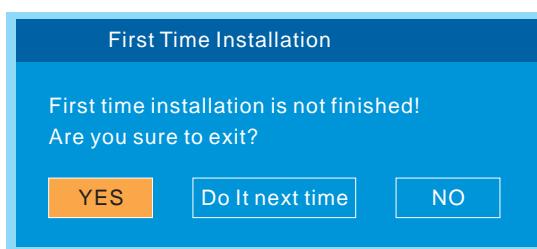
# ENJOYING TV PROGRAMS FOR THE FIRST TIME

1. Connect the antenna or DTV STB to the RF 75Ω socket .
2. Turn on the TV unit.
3. The Installing Guide screen appears as below:



4. Press [OK] to select the item you want to change.
5. Press [◀] or [▶] to select your desired OSD (On Screen Display) language.
6. Press [▼] to select "OK".
7. Press [◀] or [▶] to begin TV programs tuning automatically.  
It will store the searched TV (TV & CVBS) programs.

If you want cancel the first time installation during it's installation process, press [▼] to select "Cancel", below screen appears:



And it will remind you to set the first time installation next time.

## TV information

Press [INFO] to display the program information.



# BASIC OPERATIONS

## Make sure all necessary connections are correctly connected before turn on the power.

The power indicator turns red and the unit is in the standby mode.

## Turn on the power

Press [] to turn on the main unit.  
The power indicator turns blue.



## Turn off the power

Press [] again can turn off the main unit.  
The unit is automatically set to the standby mode.  
The power indicator turns red.



## Using the Sleep Timer

The sleep timer automatically switches off the power after a preset time has elapsed. There are 9 time periods available, press [SLEEP] on the remote control repeatedly to select the desired sleep time:



0 Min → 15 Min → 30 Min → 45 Min  
→ 60 Min → 75 Min → 90 Min → 105 Min → 120 Min

(The sleep timer starts when the setting is finished.)

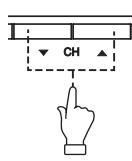
## To check the remain sleep time

Press [SLEEP] on the remote control, the remain sleep time appears on the screen for a few seconds.

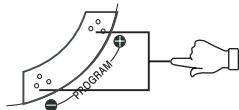
## Select the TV channel

After selected "ATV" or "DTV" as input source, you can do either one of followings to select your channel.

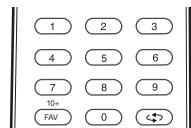
- Press [] or [] (or [-PROGRAM] or [PROGRAM+] on the main unit).



or



- Press [0, 1~9],[10+] to input the channel number directly.
- Press [] to go back the previous channel you've watched last time.



## Selecting the picture mode

Press [P.STD ] repeatedly on the remote control to select the picture mode as below:

Personal → Movie → Sport → Mild →  
Game → Standard →...



## Select the input source

Turn on the connected necessary external device. Press [SOURCE] to select the proper input source.

The input source menu appears.

1. Press [/] to move the high-lighted bar to the desired source item.
2. Press [OK] ( or [/] ) to confirm.



TV
SCART
CVBS
S-VIDEO
VGA
HDMI
DVD
DTV

It exit the source menu automatically, and the information of the selected source name appears on the TV for a few seconds.

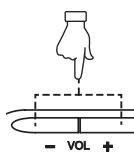
## Information display

Press [INFO] on the remote control, the related information of current source appears on the screen automatically.

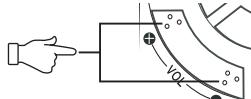


## Adjusting the volume

Press [- VOL] to reduce the volume.  
Press [VOL+] to increase the volume.



or



## NICAM Function

Press [I/II] on the remote control when input source is "TV".  
This operation do no effect to the channels without NICAM signal.

Once [I/II] is pressed, it alternates in the different sound options such as mono, stereo, dual I, dual II.



## Selecting the audio language

Press [AUDIO] on the remote control when input source is "CVBS".

For some programs with audio language options, once [AUDIO] is pressed, it alternates in the different audio language options.

## Mute function

Press [MUTE ] on the remote control to switch off the sound temporarily.

Press this button again (or [VOL+], [VOL-]), the sound comes back.



## Selecting the sound mode

Press [S.STD ] repeatedly on the remote control to select the sound mode as below:

Personal → Voice → Music → Theatre → ...



# OSD MENU SETTING

## Navigating through menus

Press [MENU], OSD main menu appears.

Press [▶], the main menu displays sequentially:

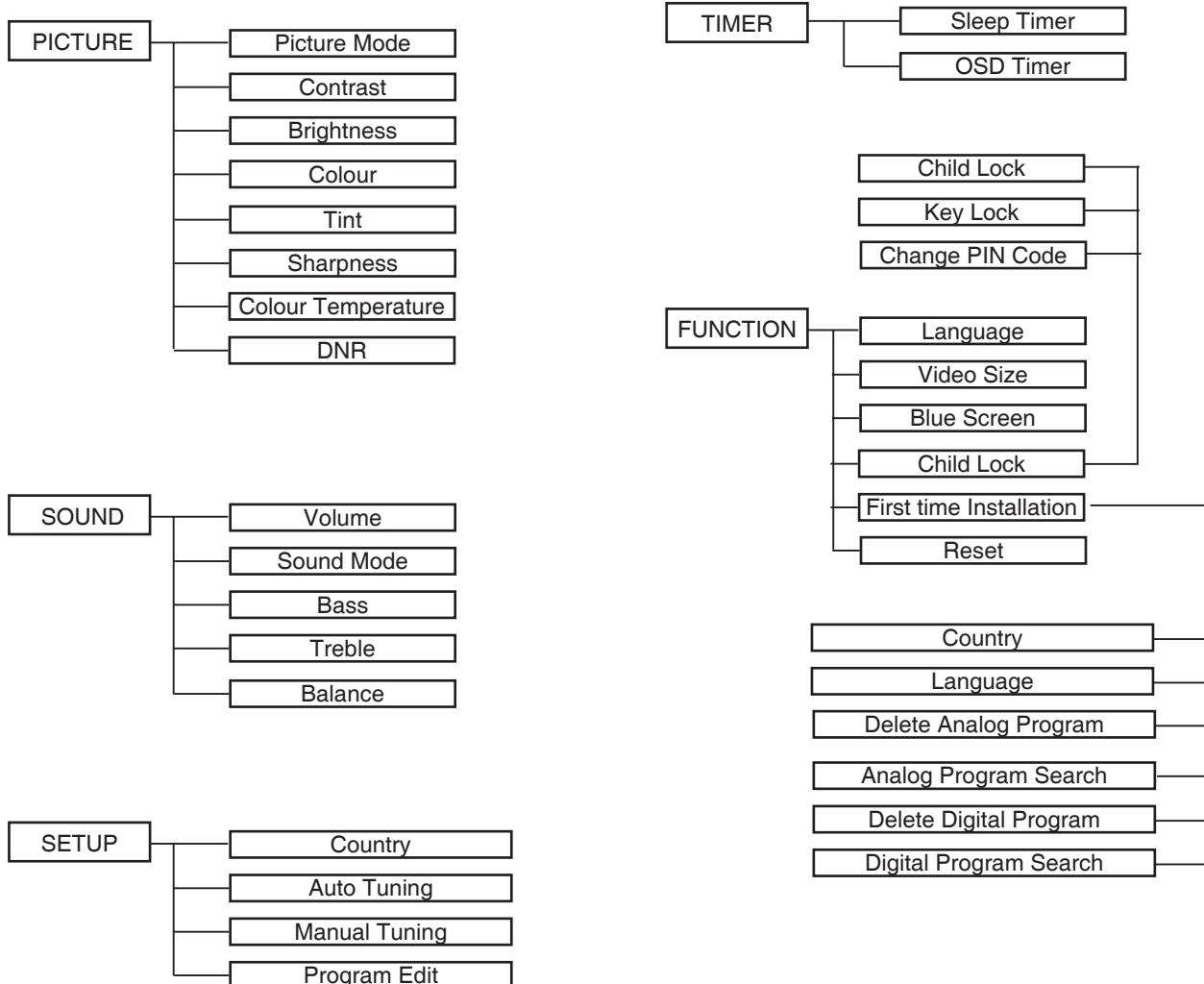
PICTURE → SOUND → SETUP → TIMER → FUNCTION → ...

When some menu option is gray displayed, that means the option is not available in current setting mode.

### Common procedure of operation:

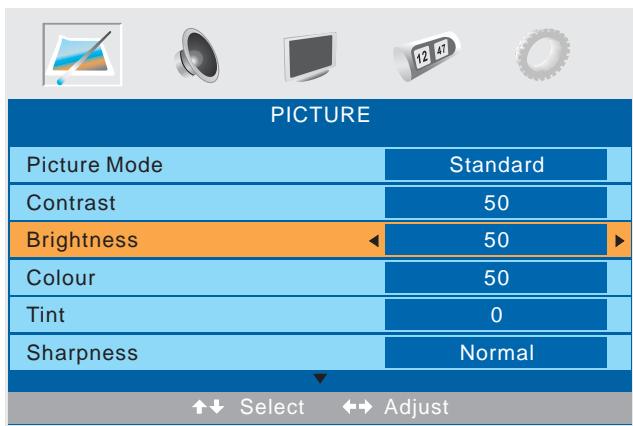
- For each main menu, Press [▲, ▼] on the remote control to select the options of the main menu.
- Press [◀, ▶] on the remote control to change settings.
- Press [▼] to confirm your setting..
- After setting of an option is finished, press [MENU] to exit stage by stage, while press [EXIT] to turn off OSD screen directly.

### Structure of OSD menu:



## Analog TV :

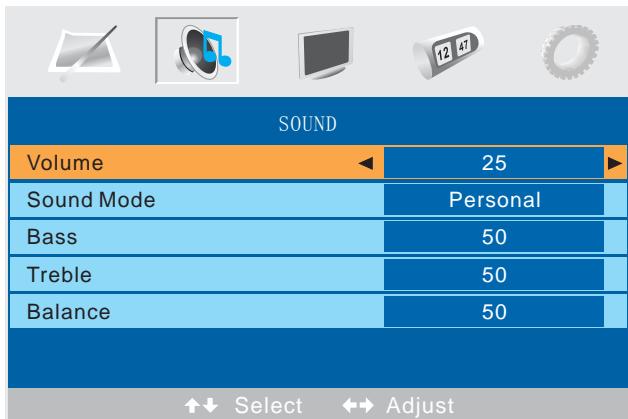
### PICTURE MENU



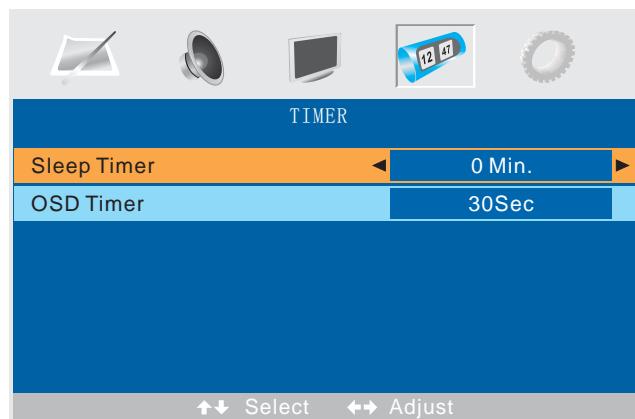
### SETUP MENU



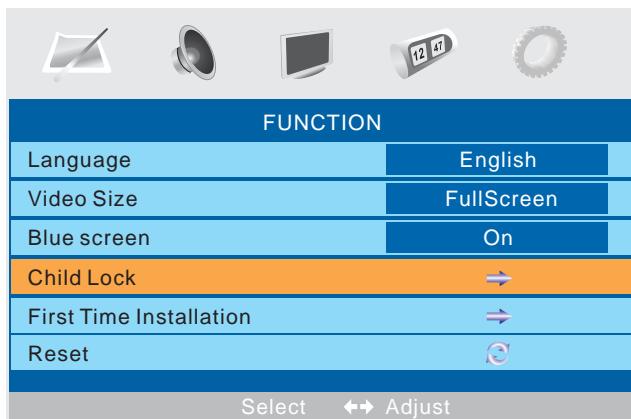
### SOUND MENU



### TIMER MENU

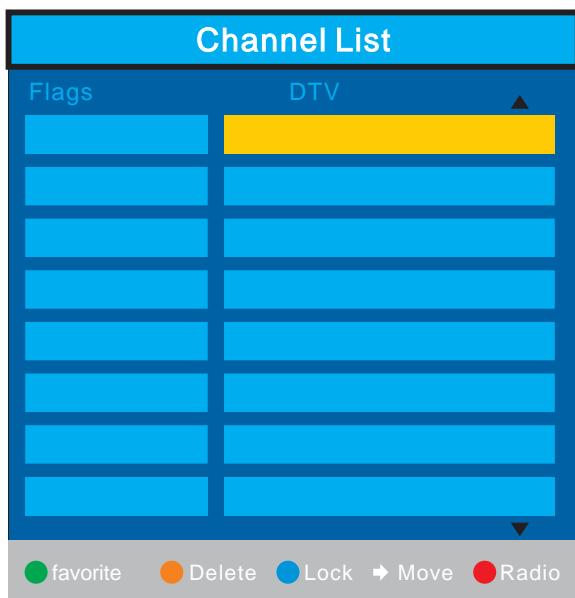


### FUNCTION MENU



## Digital TV :

### Channel List



### DTV set up



### EPG Menu



# BUILD-IN DVD PLAYER OPERATIONS

The following types of discs can be played on this unit.

Disc type and logo mark	
DVD	
CD	

## Region Number

Region number (Regional restriction code) is built-in to the unit and DVD video discs. Region number "2" or "ALL" of DVD video discs can be used on this unit.



## DVD Video Disc

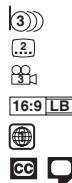
DVD video discs are divided into titles, and the titles are subdivided into chapters.



Chapter 1	Chapter 2	Chapter 1	Chapter 2	Chapter 3
-----------	-----------	-----------	-----------	-----------

There are the marks on some DVD video disc package.

Examples:



Multiple languages  
Multi-language subtitles  
Multi-angle  
Multi-aspect  
Region number  
Closed caption

## Audio CD Disc

Audio CD discs are divided into tracks.

Track 1	Track 2	Track 3	Track 4	Track 5
---------	---------	---------	---------	---------

## CAUTION:

- Only the above types of discs can be played on this unit. DVD-ROM, CD-ROM, CVD, VCD, etc. cannot be played.
- This unit can play back the DVD-R that has recorded movie data as well. However, some DVD-Rs cannot be played back depending on the recording conditions.
- The DVD-R that has no movie data cannot be played back.
- The DVD-RW (Video mode) can be played back. However, some DVD-RWs cannot be played back depending on the recording conditions. The DVD-RW (VR mode) cannot be played back.
- The DVD+R/+RW can be played back. However, some DVD+R/+RWs cannot be played back depending on the recording conditions.

## Handling, Storing and Cleaning Discs

- Do not touch the disc door while it is moving.
- Never put anything except a 5-inch (12cm) or 3-inch (8cm) DVD (or CD) into the disc in/out slot. Foreign objects can damage the unit.
- Fingerprints and dust should be carefully wiped from the signal surface of the disc (glossy side) with a soft cloth. Wipe in a straight motion from the center to the outside of the disc.
- Never use chemicals such as record cleaning sprays, antistatic sprays or fluids, benzene or thinner to clean the discs. These chemicals will permanently damage the plastic surface of the disc.
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Discs should be returned to their cases after use to protect them from dust and scratches.
- To prevent warping the disc, do not expose it to direct sunlight, high humidity or high temperatures for extended periods of time.
- Do not apply paper or write anything on either side of the disc. Sharp writing instruments, or the inks used in some felt-tip pens, may damage the surfaces of the disc.

## Basic Playback

"" may appear on the TV screen during operation. This icon means that the function is not available on the disc now.

## Preparations

- Turn on the TV and press [SOURCE] to select the input source as "DVD",
- Select the desired language for the on-screen menus if required.
- Insert the disc (label facing toward you) to the disc in/out slot (side panel) until it clicks.

It starts to playback automatically from the first file/track/chapter.

## Stopping Playback

### [CD]

Press  to stop the playing back disc temporarily, press this button again to resume playback.

### [DVD]

Press  once to stop the playing back disc temporarily. Press  twice to stop the playing back disc completely.

## Various disc playing functions

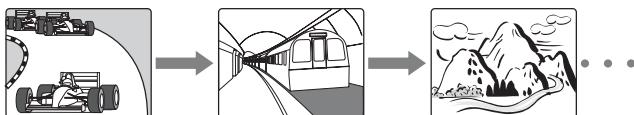
### Selecting a DVD menu

Notes:

- The operation may differ depending on the disc used.
- Selecting a menu may not be possible on some discs.

- Press [DISC MENU] during playback.  
The main menu screen will appear.
- Press [▲], [▼], [◀] or [▶] (or the number buttons) to select the desired menu.
- Press [OK]. The selected menu playback starts.

### Chapter (Track) Skip



#### Skipping forward

Press [▶▶] during playback to skip to the next chapter (or track).

"▶▶" appears briefly on the TV screen.

A chapter (or track) is skipped each time the button is pressed.

#### Skipping backward

Press [◀◀] during playback to skip back to the beginning of the chapter (or track) currently played.

"◀◀" appears briefly on the TV screen.

Press the button again immediately to skip back to the beginning of the previous chapter (or track).

Note:

You can skip only through the chapters, not over the title on the DVD disc.

### Title search [DVD]

Press [GOTO], the on-screen scroll-down menu for edit.

Press the number buttons to enter the title number.

Example:

T: 01/01 C: 01/15

### Repeat playback

Press [REPEAT] during playback (or programmed or random playback) of the title (or track) you want to repeat. Each time the button is pressed, the repeat mode will be changed as follows.:

#### [DVD]

If you want to...	Press [REPEAT] ...
Repeat chapter (CHAPTER)	Once
Repeat title (TITLE)	Twice
Repeat all (ALL)	Three times
Repeat off	Four times

#### [CD]

If you want to...	Press [REPEAT] ...
Repeat current track	Once
Repeat all tracks	Twice
Repeat off	Four times

## Designated Range Repeat Playback(A-B Repeat)



- Press [A-B] during playback at the beginning of the section you want to repeat (Point A).  
"A" appears on the TV screen.
- Press [A-B] again at the end of the section you want to repeat (Point B).  
"AB" appears briefly on the TV screen.
- To return to normal playback, press [A-B] again.

### Selecting Subtitle Language [DVD]

This operation works only with discs on which multiple subtitle languages are recorded.

Press [SUBTITLE] repeatedly during playback until the desired subtitle language appears on the TV screen.

Example:

SUBTITLE 01/03 ENG

### Selecting Audio Soundtrack Language(Multi-Language) [DVD]

This operation works only with discs on which multiple audiosoundtrack languages are recorded.



Press [AUDIO] repeatedly during playback until the desired language appears on the TV screen.

Notes:

- When the desired language is not selected even if the button is pressed, the language is not available on the disc.
- When the power is turned on or the disc is replaced, select the language again.
- If the language is not recorded on the disc, only the available language on the disc will be heard.

### Selecting On-Screen Information

Press [INFO] repeatedly to show the disc information (Title, Chapter, Title elapsed playing time, Language, etc.).

### KODAK Picture/JPEG CD Playback

With KODAK Picture CD, it is easy to turn film into pictures you can email from your PC and view on the unit.

Just bring your film in for processing, and check the box for KODAK Picture CD.

You will get back your prints and negatives as usual - plus you will get a special CD that contains your pictures along with software that lets you view, enhance, share, and print your pictures from your PC and view them on the unit.

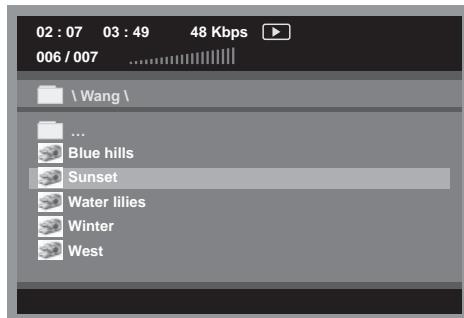
You can also view digital images from JPEG files on disc created by your PC.

## To start the slide show from the thumbnail pictures:

1. Press [**▲**], [**▶**], [**▼**] or [**◀**] to select the desired picture.
- To go to the next or previous thumbnail pictures, press [**▶▶**] or [**◀◀**].
2. Press [**OK**] or [**▶**] (Play) to start the slide show from the selected picture.

During the slide show:

- Press [**II**] to pause. Press [**▶**] (Play) to continue.
- Press [**▶▶**] or [**◀◀**], it skips to the next or previous file.
- If the picture appears upside down or sideways, press [**▲**], [**▶**], [**▼**] or [**◀**] to flip / rotate the picture.



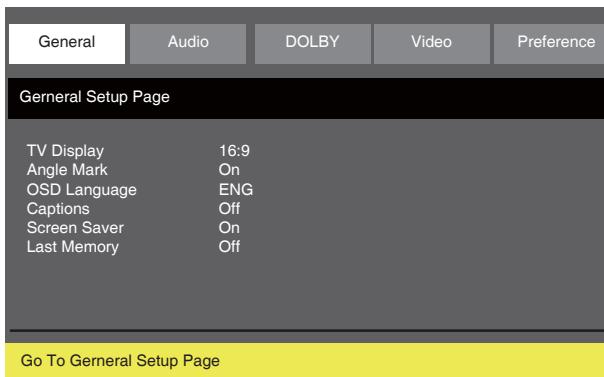
## Initial settings

Once the initial settings have been completed, the unit can always be operated under the same conditions. The settings will be retained in the memory until they are changed, even if the power is turned off.

Common setting procedure

- Press [**DVD SETUP**] to activate the DVD player OSD menu.
- Press [**▶**] or [**◀**] to move and highlight between different sub-menu.
- Press [**▲**] or [**▼**] to enter the highlighted sub-menu.
- Press [**DVD SETUP**] to exit the OSD menu..

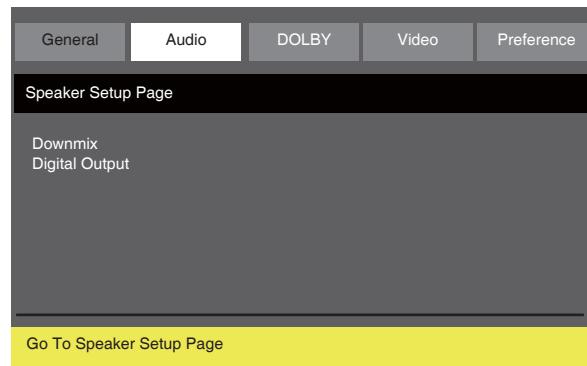
## General setup menu



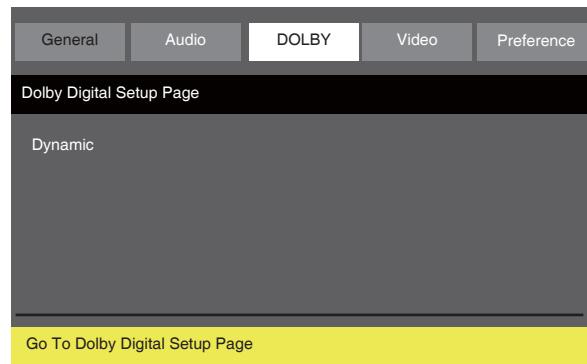
### IMPORTANT NOTICE

The factory setting of PIN Code is "0000".  
If you forgot the password you've set, input the initial password "2008".

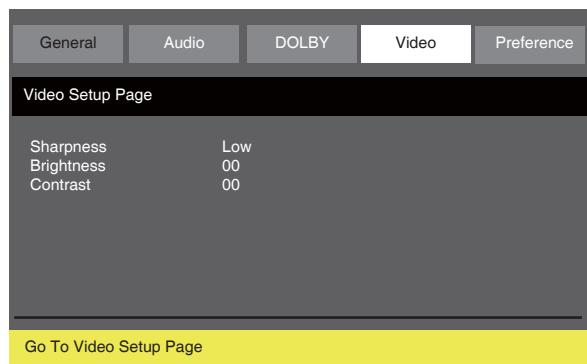
## Audio setup menu



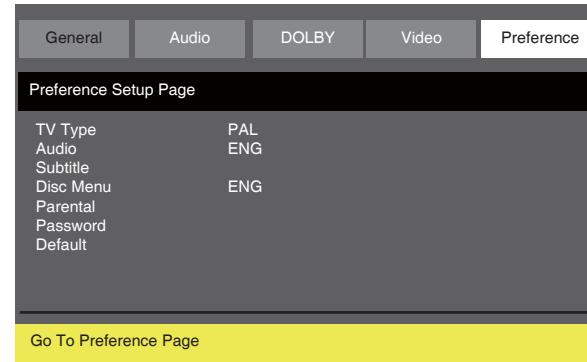
## Dolby Digital setup menu



## Video setup menu



## Preference setup menu



---

# MAINTENANCE

---

**WARNING:**

FOR YOUR PERSONAL SAFETY, BE SURE TO DISCONNECT THE AC POWER CORD BEFORE PROCEEDING WITH ANY MAINTENANCE OR CLEANING.

## Cleaning the LCD Panel

The LCD panel should not be touched with sharp objects. If dust and fingerprints are on the LCD panel surface, wipe them off with a clean soft cloth.

Wipe in a straight motion from the center to the outside of the LCD panel.

Never use chemicals such as record cleaning sprays, antistatic sprays or fluids, benzene or thinner to clean the LCD panel.

## Cleaning the Main Unit

Clean the outside of the unit with a clean soft cloth moistened with luke-warm water. Do not use benzene, thinner or alcohol since they will mar the finish of the surface.

---

# TROUBLESHOOTING

---

Symptom	Symptom
Possible cause	Possible cause
Corrective active	Corrective active
No Picture and sound.	No picture only, or monochrome picture.
Power cord is not correctly connected with the main unit. Connected the power cord with the main unit.	The color system setting doesn't match the program. Set the proper color system setting.
Power cord is not plugged into an AC outlet. Plug the power cord into an AC outlet.	The sound system setting doesn't match the program. Set the proper sound system setting.
The wrong input source is selected. Select a correct input source.	Interfered sound or picture. Some equipment that brings interference is nearby the TV. Keep these things away from the TV.
The input source is failed to connect with the TV. Make correct connections.	Multi devices plug into the same one AC outlet collections. Plug the power cord into another AC outlet.
No sound only. Volume control is set to minimum. Press the VOL+ button to increase the volume.	An incorrect sound system mode is setted. Set a correct sound system from the main menu to match your TV.
The  button on the remote control is pressed. Press the  (or VOL+/-) button to release the volume.	
An incorrect sound system mode is setted. Set a correct sound system from the main menu to match your TV.	

**Note:**

A few bright dots and dark dots may appear on the TV screen, that is normal appearance.

---

---

# SPECIFICATIONS

---

---

## DVT 1936

### Display Features

Display Type	LCD
Screen Size	18.5 inch
Active Area	409 (H) X 230 (V)
Aspect Ratio	16:10
Panel Resolution	1366 (H) X 768 (V)
Brightness	250 cd/m <sup>2</sup>
Contrast Ratio	1000:1
Dot Pitch	0.3 (H) X 0.3 (V) mm
Maximum Color	16.7 M
Response Time	5 ms

### Features

HD compatible	480I, 480P, 576I, 576P, 720P, 1080I, 1080P
---------------	--

### TV Reception

TV System:	PAL / SECAM
Sound System	B/G , I, D/K, L/L'
Antenna Impedance:	75 Ohm

### Power Requirements

Power Adapter	100-240V ~ 50/60 Hz
Power Consumption	

Maximum < 60W

### DVD Features

Laser Wave Length	650 nm / 795 nm
DVD Region Number	2

### Connections

Input:	
TV Tuner (RF 75Ω)	1
Composite Video Input (R/L/VIDEO)	1
S-Video Input (S-VIDEO)	1
SCART	1
VGA Input(VGA)	1
PC audio Input(PC AUDIO)	1
HDMI input (HDMI)	1
Output:	
Coaxial output jack (COAXIAL OUT)	1
Earphone (φ)	1

### VGA Resolutions Supported

640 x 480 @ 60Hz/75Hz
800 x 600 @ 60Hz/75Hz
1024 x 768 @ 60Hz/75Hz
1280 x 800 @ 60Hz

### Dimension(WxHxD)

Unit W/stand/speakers	396 x 330 x 144mm
-----------------------	-------------------

### Weight(N.W.)

Unit W/stand/speakers	2.7 Kg
-----------------------	--------

### Speaker Specification

Speaker (Built-In)	2 (3W, 6 Ohm)
--------------------	---------------

### Environment

Operating Temperature	5°C-35°C
Operating Humidity	20%-80%

### Note:

Specifications subject to change without notice.

# DVT 2236

## Display Features

Display Type	LCD
Screen Size	21.6 inch
Active Area	477 (H) X 268(V)
Aspect Ratio	16:10
Panel Resolution	1280 (H) X 800 (V)
Brightness	400 cd/m <sup>2</sup>
Contrast Ratio	800:1
Dot Pitch	0.1165 (H) X 0.3495 (V) mm
Maximum Color	16.7 M
Response Time	5.8 ms

## Features

HD compatible	480I, 480P, 576I, 576P, 720P, 1080I, 1080P
---------------	--

## TV Reception

TV System:	PAL / SECAM
Sound System	B/G , I, D/K, L/L'
Antenna Impedance:	75 Ohm

## Power Requirements

Power Adapter	100-240V ~ 50/60 Hz
Power Consumption	

Maximum < 72W

## DVD Features

Laser Wave Length	650 nm / 795 nm
DVD Region Number	2

## Connections

<b>Input:</b>	
TV Tuner (RF 75Ω)	1
Composite Video Input (R/L/VIDEO)	1
S-Video Input (S-VIDEO)	1
SCART	1
VGA Input(VGA)	1
PC audio Input(PC AUDIO)	1
HDMI input (HDMI)	1
<b>Output:</b>	
Coaxial output jack (COAXIAL OUT)	1
Earphone (Ω)	1

## VGA Resolutions Supported

640 x 480 @ 60Hz/75Hz
800 x 600 @ 60Hz/75Hz
1024 x 768 @ 60Hz/75Hz
1280 x 800 @ 60Hz

## Dimension(WxHxD)

Unit W/stand/speakers	524 x 388 x 200 mm
-----------------------	--------------------

## Weight(N.W.)

Unit W/stand/speakers	4.7 Kg
-----------------------	--------

## Speaker Specification

Speaker (Built-In)	2 (3W, 6 Ohm)
--------------------	---------------

## Environment

Operating Temperature	5°C-35°C
Operating Humidity	20%-80%

## Note:

Specifications subject to change without notice.



If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)